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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.az W Line Sweep Checklist

Text Pages 2 through 3

C-A OPM Procedures in which this Attachment is used.

4.56		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
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Approved: _____ *Signature on File* _____
Collider-Accelerator Department Chairman Date

P. Ingrassia, W. MacKay

W Line Sweep Checklist

Team Leader _____ Sweeper #2 _____

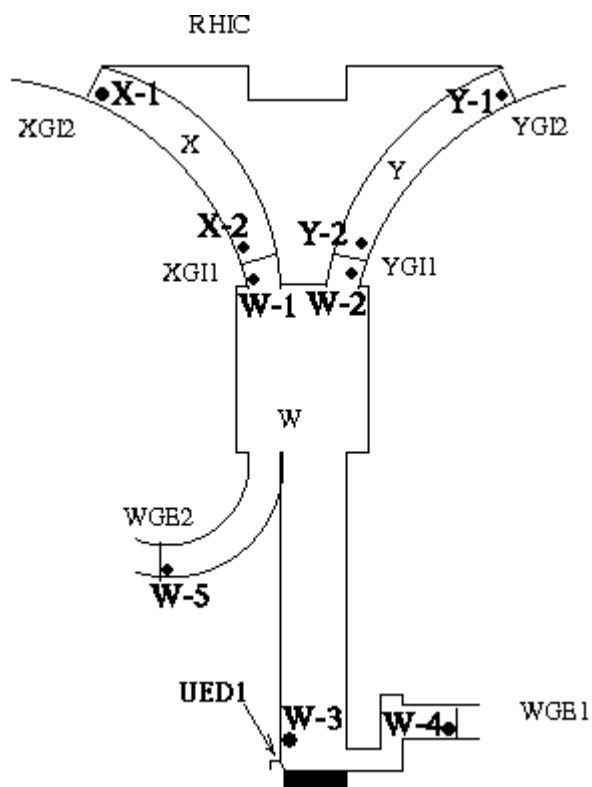
Time: _____ Date: _____

Warning:

IF any workers are encountered during the sweep, **THEN** contact the OC to see if the sweep should be aborted. Workers shall leave the enclosure **WITH** the Sweeper. **IF** the workers crash out of the enclosure **AND** do not exit with the Sweeper, **THEN** the sweep shall be re-started.

Prerequisites

- One person to perform the sweep,
- OPM Att. 4.56.az W line Sweep Checklist (two pages)
- X and Y line sweeps are good and X and Y gates are reset.
- Walkie-talkies
- All Doors closed THEN W line set to Controlled Access
- Keys: Sweep Reset key S/R013, Controlled Access key CA012



CONTINUED ON REVERSE SIDE

check

- ___1 Sweep Team goes to gate WGE2.
- ___2 Team Leader requests simultaneous release from MCR.
- ___3 Team Leader opens WGE2 gate by turning the CA012 key clockwise, in the Controlled Access key-switch while Operator in MCR presses simultaneous release for WGE2.
- ___4 Sweep Team enters and walks to the Switching Magnet (SWM).
- ___5 Sweeper#2 stands static watch at SWM.
- ___6 Team Leader walks to XGI1 and STARTS SWEEP by turning the S/R013 key CW in the SWEEP key-switch station upstream of XGI1 at WCS2 (map W-1)
- ___7 Team Leader observes SWEEP lamp blink once.
- ___8 Team Leader sweeps around and under the (marble) W beam dump to YGI1.
- ___9 Team Leader sets second check station by turning the S/R013 key CW in the SWEEP key-switch station upstream of YGI1 at WCS3 (map W-2).
- ___10 Team Leader observes SWEEP lamp blink once.
- ___11 Team Leader sweeps upstream to join Sweeper#2 at the SWM.
- ___12 Sweep Team Sweeps upstream towards the U line.
- ___13 Team Leader checks vent barrier is in place upstream of WP2
- ___14 Sweep Team Sweeps upstream towards the U line.
- ___15 Sweeper#2 stands static watch at WD7
- ___16 Team Leader sets third check station by turning the S/R013 key CW in the SWEEP key-switch at WCS4 next to door UED1 (labeled WGS1) (map W-3)
- ___17 Team Leader observes SWEEP lamp blink once.
- ___18 Team Leader walks to WGE1 gate.
- ___19 Team Leader sets fourth check station by turning the S/R013 key CW in the SWEEP key-switch at WCS5 next to door WGE1 (map W-4)
- ___20 Team Leader observes AREA SECURED lamp blink once.
- ___21 Team Leader sweeps up labyrinth and joins Sweeper#2.
- ___22 Sweep Team sweeps downstream to WGE2
- ___23 Team Leader ENDS SWEEP by turning the S/R013 key CW in the SWEEP key-switch WCS1 at WGE2-I (map W-5).
- ___24 Team Leader observes AREA SECURED lamp light amber.
- ___25 Team Leader contacts MCR for simultaneous release for gate WGE2.
- ___26 Sweep Team sweeps out W Line through WGE2.
- ___27 Sweeper contracts MCR and confirms that W line indicates sweep is good.

Note:

IF the AREA SECURED, and GATE RESET lamps are not lit THEN contact MCR to verify that gate(s) are reset and sweep is good

- ___28 After returning the keys to the Injection Key Tree, Team Leader RESETS BOTH Remote Control Access gates, WEG1, WEG2, using the RHIC PanelView at MCR_2
- ___29 After returning to MCR and verifying that all information is filled out completely, Sweeper files the checklist in FY_xx Sweep Log binder.